

WHAT IS CLAIMED IS:

1. An image processing system having plural devices,
including a device capable of executing predetermined
image processing, interconnected via a serial bus,

5 wherein a processing program for execution of said
image processing is downloaded from said device capable
of executing predetermined image processing to a device
among said plural devices without a function of
executing said image processing,

10 and wherein processing performance information
indicating performance of executing said image
processing is obtained from each of said plural devices,

 further wherein an executing device to execute
said image processing is determined from said plural
15 devices based on said processing performance information.

2. The image processing system according to claim 1,
wherein said processing performance information is
obtained at each of plural processing steps constructing
20 said image processing.

3. The image processing system according to claim 2,
wherein said processing performance information is
obtained by measuring processing time upon execution of
25 said image processing on predetermined sample image data.

4. The image processing system according to claim 2,

wherein said executing device is determined at each of plural processing steps constructing said image processing based on said processing performance information.

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5. The image processing system according to claim 1, wherein said executing device is determined so as to minimize the processing time of said image processing.

10 6. The image processing system according to claim 1, wherein transfer performance information indicating a data transfer speed between said plural devices is further obtained,

and wherein said executing device is determined
15 based on said transfer performance information.

7. The image processing system according to claim 1, wherein said execution program is downloaded between devices having a common operating system.

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8. The image processing system according to claim 1, wherein said plural devices include an image supply device and an image printing device.

25 9. The image processing system according to claim 8, wherein said plural devices include a digital broadcast tuner,

and wherein the processing program for execution
of said image processing is downloaded to said tuner.

10. The image processing system according to claim 9,
5 wherein said tuner is a set top box.

11. The image processing system according to claim 8,
wherein said image processing is converting image data
supplied from said image supply device to print data in
10 said image printing device.

12. The image processing system according to claim 11,
wherein said image supply device is a digital camera.

13. The image processing system according to claim 1,
15 wherein said serial bus is adapted to or based on the
IEEE 1394 standard.

14. The image processing system according to claim 1,
20 wherein said serial bus is adapted to or based on the
USB standard.

15. A control method for controlling an image processing
system having plural devices, including a device capable
25 of executing predetermined image processing,
interconnected via a serial bus, comprising the steps
of:

downloading a processing program for execution of
said image processing from said device capable of
executing predetermined image processing to a device
among said plural devices without a function of
5 executing said image processing;

obtaining processing performance information
indicating performance of executing said image
processing from each of said plural devices; and

determining an executing device to execute said
10 image processing from said plural devices based on said
processing performance information.

16. An image processing apparatus, connected to plural
devices via a serial bus, capable of execution of
15 predetermined image processing,

wherein a processing program for execution of said
image processing is downloaded to a device among said
plural devices without a function of executing said
image processing,

20 and wherein processing performance information
indicating performance of executing said image
processing is obtained from each of said plural devices
and said apparatus,

further wherein an executing device to execute
25 said image processing is determined from said plural
devices and said apparatus based on said processing
performance information.

17. An image processing apparatus, connected via a serial bus to plural devices including a device capable of executing predetermined image processing, said
5 apparatus being without a function of executing said image processing,

wherein a processing program for execution of said image processing is downloaded from said device capable of executing predetermined image processing,

10 and wherein processing performance information indicating performance of executing said image processing is obtained from each of said plural devices and said apparatus,

further wherein an executing device to execute
15 said image processing is determined from said plural devices and said apparatus based on said processing performance information.

18. A recording medium holding a control program for
20 controlling an image processing system having plural devices, including a device capable of executing predetermined image processing, interconnected via a serial bus, wherein said program comprising at least:

code for downloading a processing program for
25 execution of said image processing from said device capable of executing predetermined image processing to a device among said plural devices without a function of

executing said image processing;

code for obtaining processing performance
information indicating performance of executing said
image processing from each of said plural devices; and

- 5 code for determining an executing device to
execute said image processing from said plural devices
based on said processing performance information.